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CASH

said organic compound is selected from the group consisting of polymers, monomers, and oligomers, and is inserted between the layers of said inorganic compound.

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15. A method of manufacturing a cable according to any one of claims 1, 3-7 and 9-11, wherein the composite material is made by the following steps:

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said inorganic compound is in the form of particles having an initial size of micron order, and said inorganic compound particles are treated with an agent so as to ensure that said inorganic compound particles are compatible with said organic compound;

said treated inorganic compound is mixed with said organic compound at a temperature higher than the softening temperature or melting temperature of said organic compound; and

said composite material is obtained, wherein said composite material is in the form of particles, said composite material particles have a size of nanometer order, and said composite material particles comprise said organic compound inserted between the layers of said inorganic compound.

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